| Electronic Patent Application Fee Transmittal |                                                              |          |          |        |                         |  |  |
|-----------------------------------------------|--------------------------------------------------------------|----------|----------|--------|-------------------------|--|--|
| Application Number:                           | 10717697                                                     |          |          |        |                         |  |  |
| Filing Date:                                  | 20-Nov-2003                                                  |          |          |        |                         |  |  |
| Title of Invention:                           | BAD-SECTOR SEARCH METHOD, DATA RECORDING DEVICE, AND PROGRAM |          |          |        |                         |  |  |
| First Named Inventor/Applicant Name:          | Ryoji Fukuhisa                                               |          |          |        |                         |  |  |
| Filer:                                        | Michael E. Noe/Robyn Pyle                                    |          |          |        |                         |  |  |
| Attorney Docket Number:                       | JP920020182US1                                               |          |          |        |                         |  |  |
| Filed as Large Entity                         |                                                              |          |          |        |                         |  |  |
| Utility Filing Fees                           |                                                              |          |          |        |                         |  |  |
| Description                                   |                                                              | Fee Code | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |
| Basic Filing:                                 |                                                              |          |          |        |                         |  |  |
| Pages:                                        |                                                              |          |          |        |                         |  |  |
| Claims:                                       |                                                              |          |          |        |                         |  |  |
| Miscellaneous-Filing:                         |                                                              |          |          |        |                         |  |  |
| Petition:                                     |                                                              |          |          |        |                         |  |  |
| Patent-Appeals-and-Interference:              |                                                              |          |          |        |                         |  |  |
| Post-Allowance-and-Post-Issuance:             |                                                              |          |          |        |                         |  |  |
| Utility Appl issue fee                        |                                                              | 1501     | 1        | 1400   | 1400                    |  |  |
| Publ. Fee- early, voluntary, or normal        |                                                              | 1504     | 1        | 300    | 300                     |  |  |

| Description        | Fee Code          | Quantity | Amount | Sub-Total in<br>USD(\$) |
|--------------------|-------------------|----------|--------|-------------------------|
| Extension-of-Time: |                   |          |        |                         |
| Miscellaneous:     |                   |          |        |                         |
|                    | Total in USD (\$) |          |        | 1700                    |